CLAIMS

What is claimed is:

1. A method of wireless communication, comprising:

(a) synchronizing, during an idle state, a mobile station to a default carrier selected from a group comprising an all-services carrier and a best-efforts carrier, the all-services carrier supporting real-time and non-real-time services, the best-efforts carrier supporting only non-real-time services;

(b) synchronizing the mobile station to the remaining carrier, then;

(c) connecting a call to the mobile station over the remaining carrier; and

(d) synchronizing the mobile station to the default carrier upon completion of the call.

2. The method of claim 1, wherein the default carrier is a 1xRTT carrier, the remaining carrier is a HDR carrier, and the call is a data call.

3. The method of claim 1, wherein the default carrier is a HDR carrier, the remaining carrier is a 1xRTT carrier, and the call is a voice call.

4. The method of claim 2, further comprising notifying the mobile station to synchronize with the remaining carrier in anticipation of step (c).

5. The method of claim 4, wherein prior to notifying the mobile station to synchronize with the remaining carrier, the mobile station has an active voice call in progress over the 1xRTT carrier, the active voice call being placed on hold during steps (b), (c) and (d).

6. The method of claim 3, further comprising notifying the mobile station to synchronize with the remaining carrier in anticipation of step (c).

7. The method of claim 2, wherein during step (c), the method further comprises:

notifying the mobile station to synchronize with the HDR carrier because of an incoming data call;

placing the voice call on hold;

synchronizing the mobile station to the HDR carrier;

accepting the data call over the 1xRTT carrier; and

upon completion of the data call, synchronizing the mobile station to the 1xRTT carrier and reconnecting the voice call.

8. A wireless communication network configured to allow a call to be selectively carried over either an all-services carrier or a best-efforts carrier, the all-services carrier supporting real-time and non-real-time services, the best-efforts carrier supporting only non-real-time services.

9. The communication network of claim 8, wherein the all-services carrier is a 1xRTT carrier, and the best-efforts carrier is a HDR carrier.

10. The communication network of claim 8, wherein the best-efforts carrier is a packet data carrier.

11. The communication network of claim 8, wherein the network is configured to:

connect a data call to a mobile station over the best-efforts carrier;

upon detecting a specified condition occurring while the data call is in progress, synchronize the mobile station to the all-services carrier, and

continue the data call over the all-services carrier.

12. The communication network of claim 11, wherein the specified condition is detected by examining transmitted packet data.

13. The communication network of claim 11, wherein the specified condition is detected by an Application Programming Interface within the mobile station.

14. A wireless communication network configured to allow a call to be selectively carried over either an all-services carrier or a best-efforts carrier, the all-services carrier supporting real-time and non-real-time services, the best-efforts carrier supporting only non-real-time services, the network further configured to

synchronize, during an idle state, a mobile station to a default carrier comprising either the all-services carrier or the best-efforts carrier;

synchronize the mobile station to the remaining carrier upon receipt of an incoming call;

connect the incoming call to the mobile station over the remaining carrier; and

synchronize the mobile station to the default carrier upon completion of the call.

15. The communication network of claim 14, wherein the default carrier is a 1xRTT carrier, the remaining carrier is a HDR carrier, and the call is a data call.

16. The communication network of claim 14, wherein the default carrier is a HDR carrier, the remaining carrier is a 1xRTT carrier, and the call is a voice call.

17. The communication network of claim 15, the network further configured to notify the mobile station to synchronize with the remaining carrier upon notice of the incoming data call at a mobile station controller.

18. The communication network of claim 17, wherein prior to notifying the mobile station to synchronize with the HDR carrier, the mobile station has an active voice call in progress over the 1xRTT carrier, the network configured to place the active voice call on hold while the mobile station is synchronized to the HDR carrier.

19. The communication network of claim 16, wherein the network is further configured to:

notify the mobile station to synchronize with the 1xRTT carrier because of an incoming voice call;

synchronize the mobile station to the 1xRTT carrier;

transfer the data call to the 1xRTT carrier; and

accept the voice call over the 1xRTT carrier.

20. The communication network of claim 15, wherein the network is further configured to:

notify the mobile station to synchronize with the HDR carrier because of an incoming data call;

place the voice call on hold;

synchronize the mobile station to the HDR carrier;

accept the data call over the 1xRTT carrier; and

upon completion of the data call, synchronize the mobile station to the 1xRTT carrier and reconnecting the voice call.

21. A method of wireless communication, comprising:

providing a hybrid network, the hybrid network enabling a call to be selectively carried over either a 1xRTT carrier or an HDR carrier;

connecting a data call a mobile station over the HDR carrier;

determining that the data call should be carried over the 1xRTT carrier;

synchronizing the mobile station to the 1xRTT carrier, and

continuing the data call over the 1xRTT carrier.

22. The method of claim 21, wherein the determining step comprises examining transmitted packet data.

23. The method of claim 21, wherein the determining step is performed by an Application Programming Interface within the mobile station.